19. Exemplify Slicing Lists and Prime Generation with a List in Python.

20. Write a Python program to implement class inheritance.

APRIL/MAY 2025

CCA62/CCS62/CSC62/FCA62/FCS62/FSC62 — PYTHON PROGRAMMING

Shanmuga Industries Arts & Science College T.V.Malai

Time : Three hours Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What is meant by Strongly Typed Language?

2. How to add Single Line Comment in Python?

3. Define: Zero Division Error in Python.

4. What is string slicing?

5. Define Scope of the Variable.

6. What is meant by Arguments in Python?

7. How to create a List?

8. What is meant by List Bounds?

9. Define instances of the Class.

10. List any four examples for Exception Situations.

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) How to read input and print output in Python? Explain with an example.

Or

(b) Explain the str ( ), ord( ) and hex() Python Functions.

12. (a) Write a Python program to find GCD of two positive numbers using if statement.

Or

(b) Narrate the Python built in String functions.

13. (a) Explain the function definition and calling with an example.

Or

(b) Write short note on Set in Python.

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14. (a) What is meant by Flexible Sort? Explain with an example.

Or

(b) Briefly discuss on Reversing of List.

15. (a) Describe about the Custom Exceptions with their Syntax.

Or

(b) Write notes on string object and List objects.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. With an example, explain the Arithmetic, Assignment, Comparison and Bitwise operators available in Python.

17. Describe the Exception Handling Mechanism in Python.

18. Illustrate the for loop statement in Python with an example.